Amendment to the Claims

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Claims 1-8 (Canceled)

Claim 9. (New) An apparatus for separating double fed media in an imaging system which forms images on said media comprising:

a first media feeding apparatus for transporting sheets of media;

a first media sensor for detecting the presence of media;

a second media feeding apparatus for transporting sheets of media;

a second media sensor for detecting the presence of media;

an electronic data processing apparatus which receives a signal from said first and second media sensors indicating the presence of a first sheet of media and which compares the length of time that the presence of said first sheet of media is sensed by said first sensor to a predetermined time period;

a clutch in communication said electronic data processing apparatus which controls said first media feed apparatus and which is capable of terminating and restarting said feeding by said first media feeding apparatus;

wherein said electronic data processing apparatus responsive to said signal from said first media sensor is configured to

(i) activate said clutch to terminate feeding in said first media feed apparatus, while said second feed apparatus continues to feed, when the length of time said first sheet of media is sensed by said first sensor exceeds said predetermined time period; and

(ii) deactivate said clutch to restart feeding of media after said first sheet of media has been sensed by said second media sensor.

Claim 10. (New) The apparatus of claim 1 wherein said first sensor is configured to detect a leading edge and trailing edge of said media.

Claim 11. (New) The apparatus of claim 1 wherein said second sensor is configured to detect a leading edge and trailing edge of said media.

Claim 12. (New) The apparatus of claim 1 wherein said first media feeding apparatus comprises a feed roller.

Claim 13. (New) The apparatus of claim 1 wherein said second media feeding apparatus comprises a feed roller.

Claim 14. (New) An apparatus for separating double fed media in an imaging system which forms images on said media comprising:

a first media feeding apparatus for transporting sheets of media;

a first media sensor for detecting the presence of media;

a second media feeding apparatus for transporting sheets of media;

a second media sensor for detecting the presence of media;

an electronic data processing apparatus which receives a signal from said first and second media sensors indicating the presence of a first sheet of media and which compares the length of time that the presence of said first sheet of media is sensed by said first sensor to a predetermined time period;

a motor in communication said electronic data processing apparatus which controls said first media feed apparatus and which is capable of terminating and restarting said feeding by said first media feeding apparatus;

wherein said electronic data processing apparatus responsive to said signal from said first media sensor is configured to

(i) terminate feeding in said first media feed apparatus, while said second feed apparatus continues to feed, when the length of time said first sheet of media is sensed by said first sensor exceeds said predetermined time period; and

(ii) restart feeding of media after said first sheet of media has been sensed by said second media sensor.

Claim 15. (New) The apparatus of claim 14 wherein said first sensor is configured to detect a leading edge and trailing edge of said media.

Claim 16. (New) The apparatus of claim 14 wherein said second sensor is configured to detect a leading edge and trailing edge of said media.

Claim 17. (New) The apparatus of claim 14 wherein said first media feeding apparatus comprises a feed roller.

Claim 18. (New) The apparatus of claim 14 wherein said second media feeding apparatus comprises a feed roller.